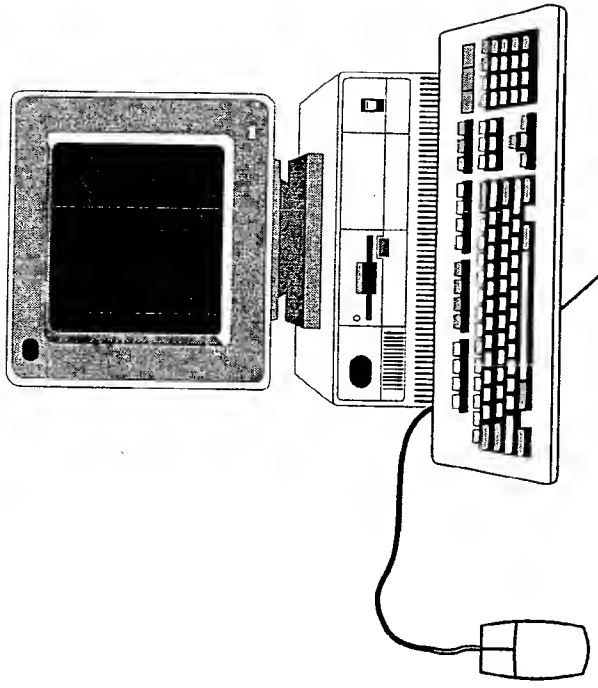


TOP SECRET 22946660



Computer System
82

Figure 1

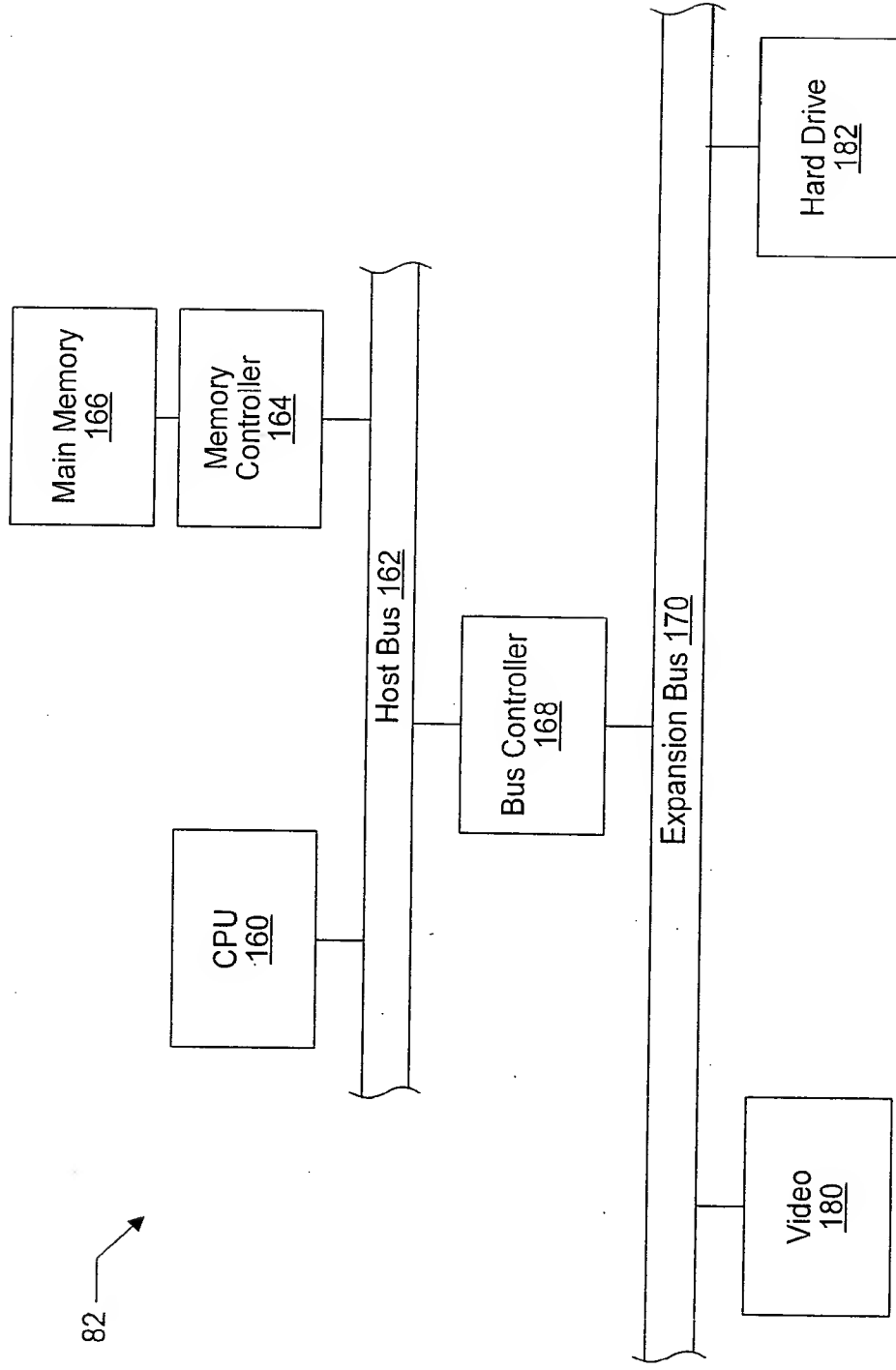


Figure 2

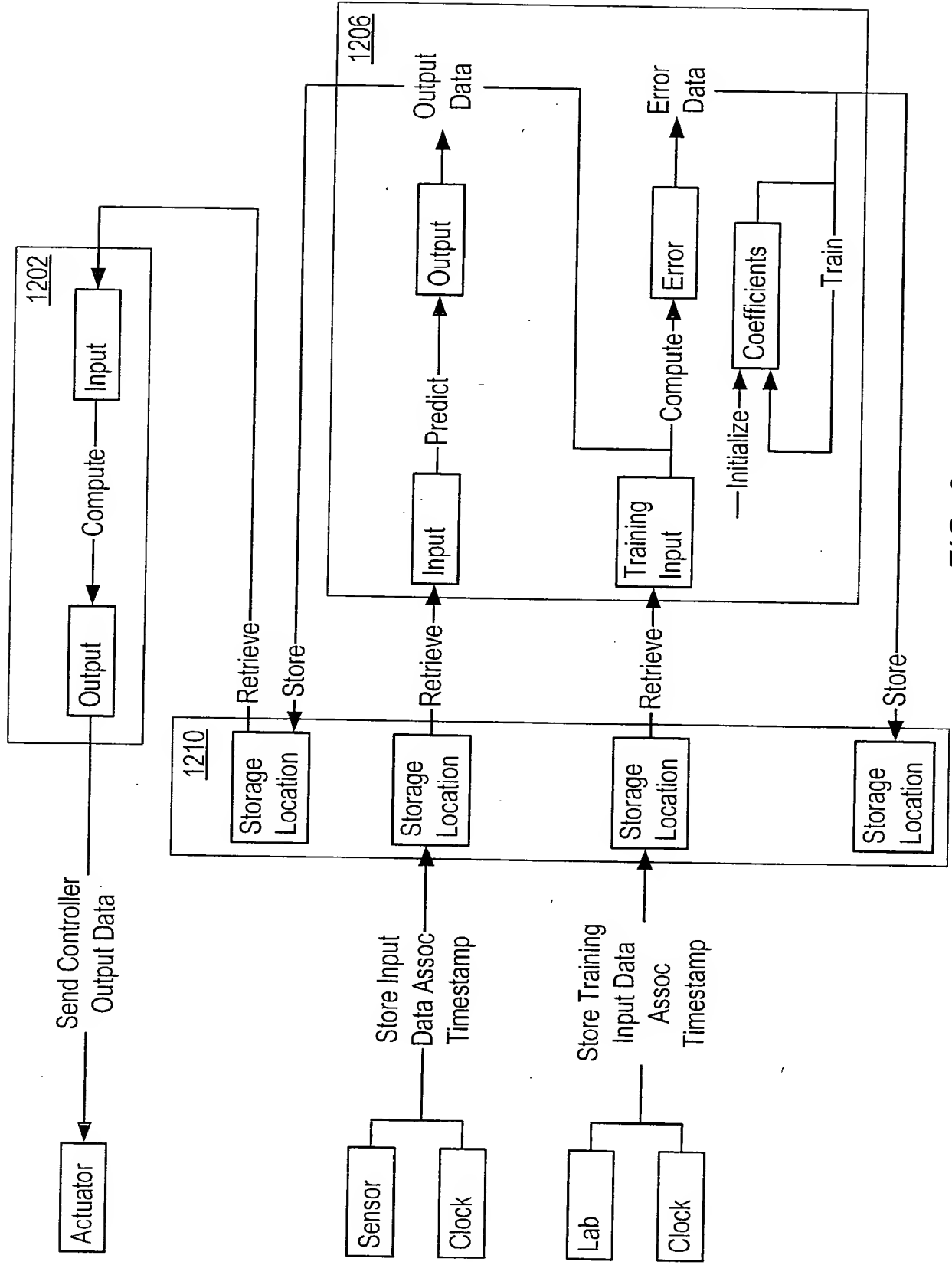


FIG. 3

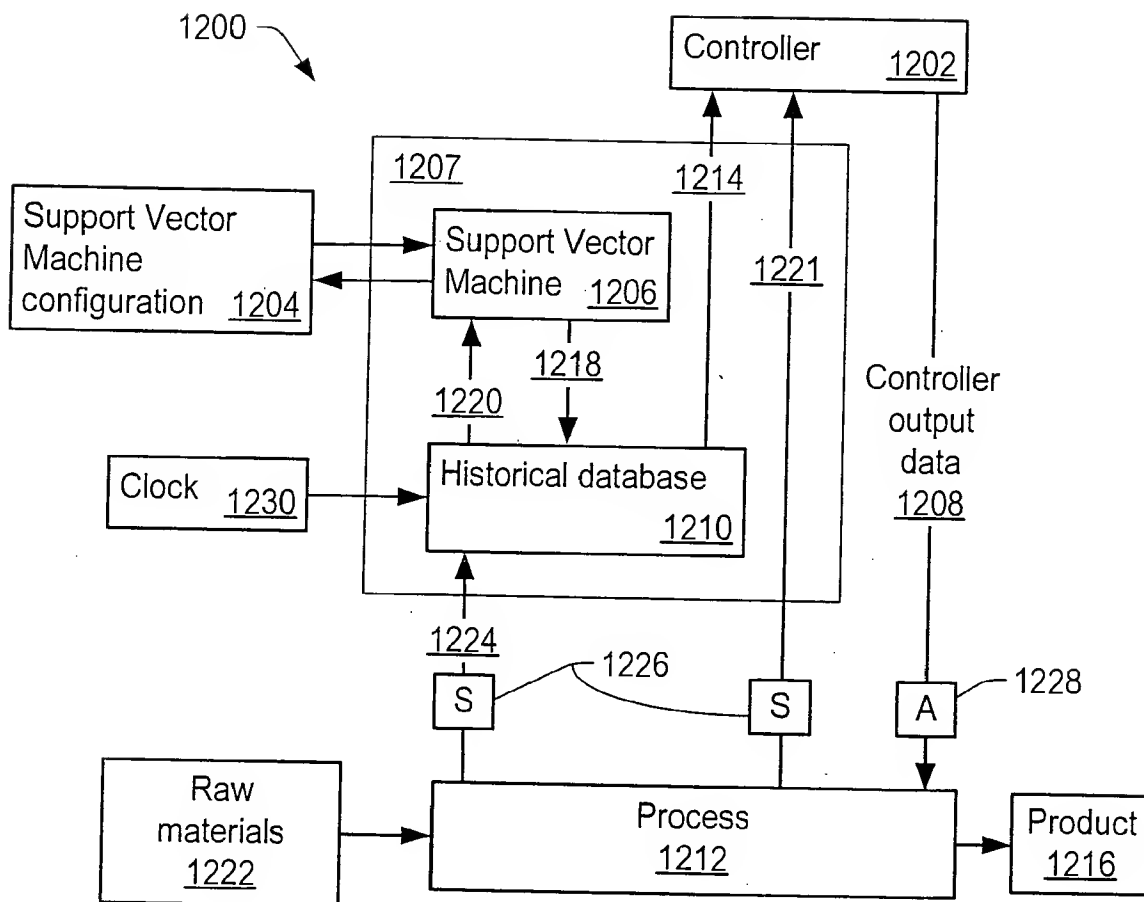


FIG. 4

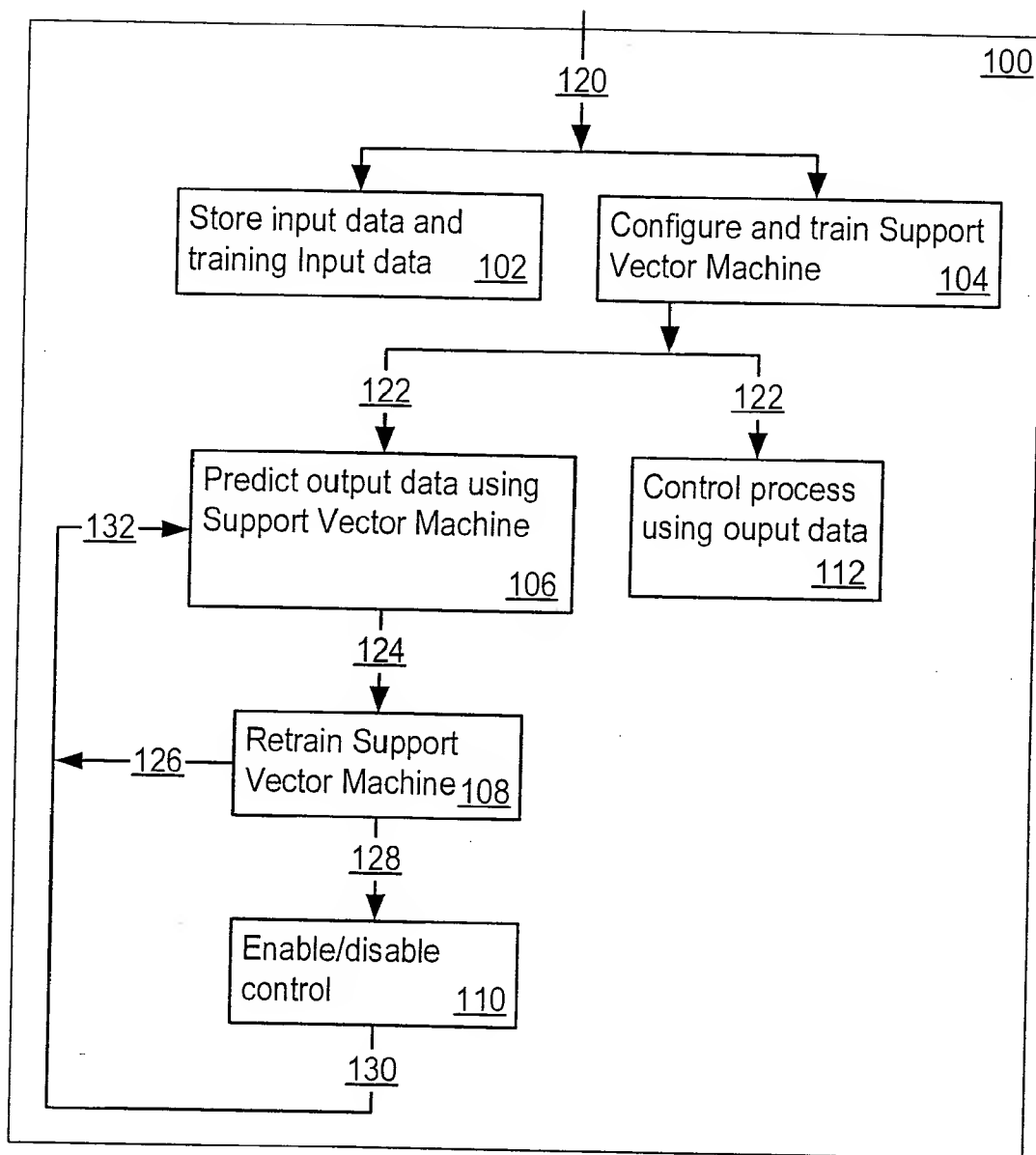


FIG. 5

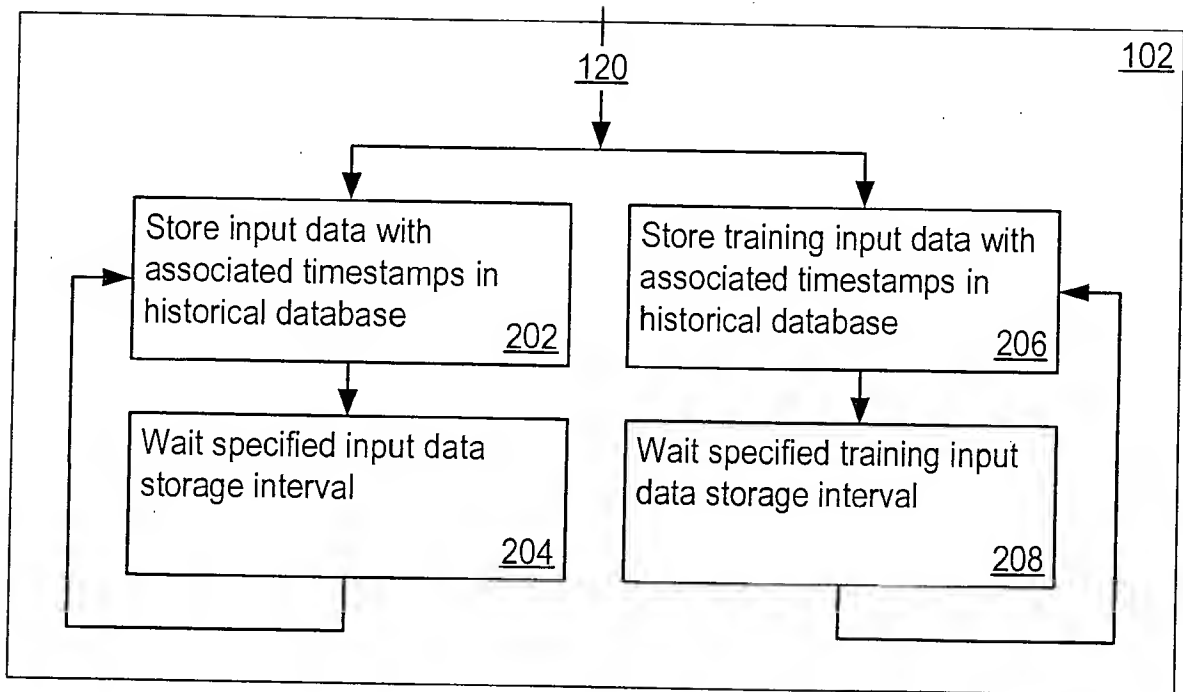


FIG. 6

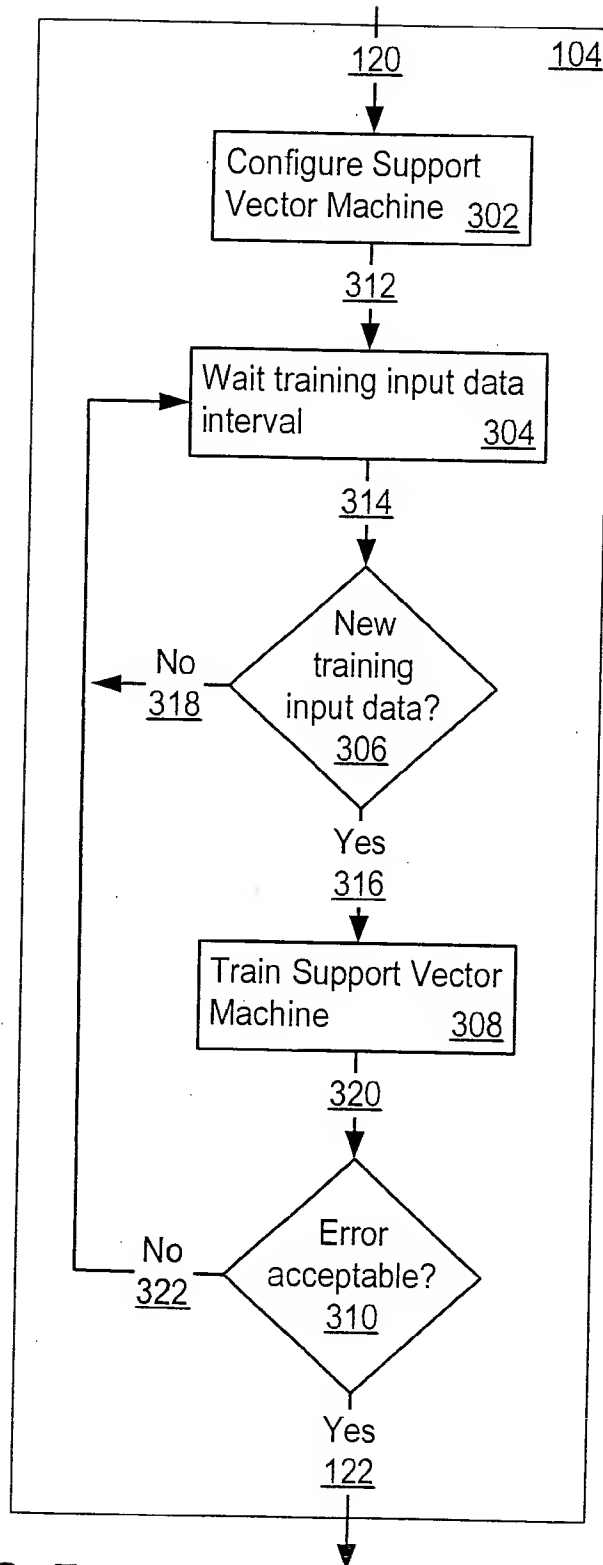


FIG. 7

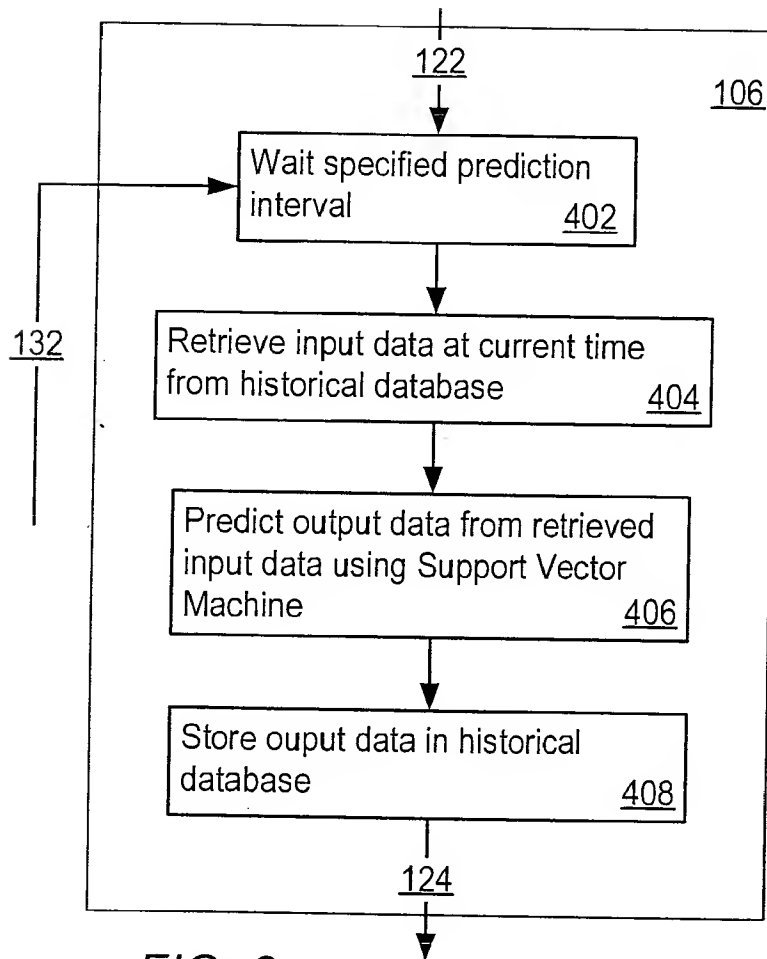


FIG. 8

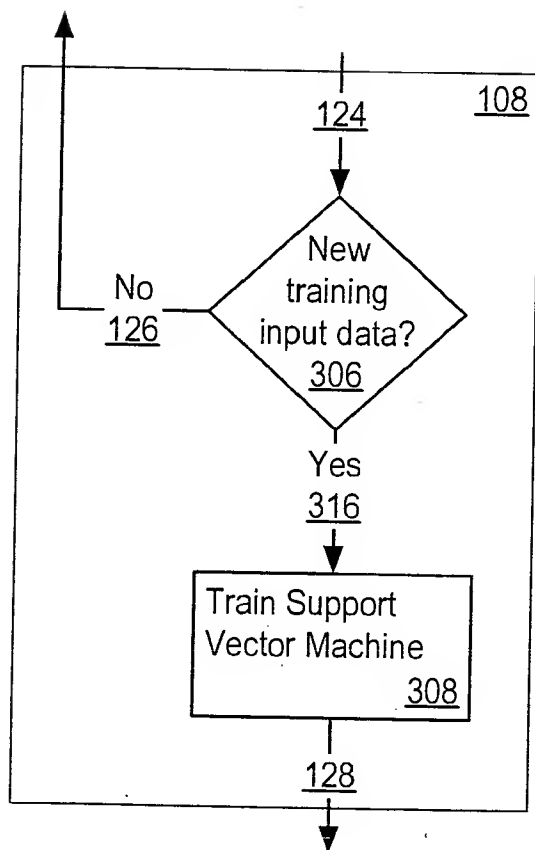


FIG. 9

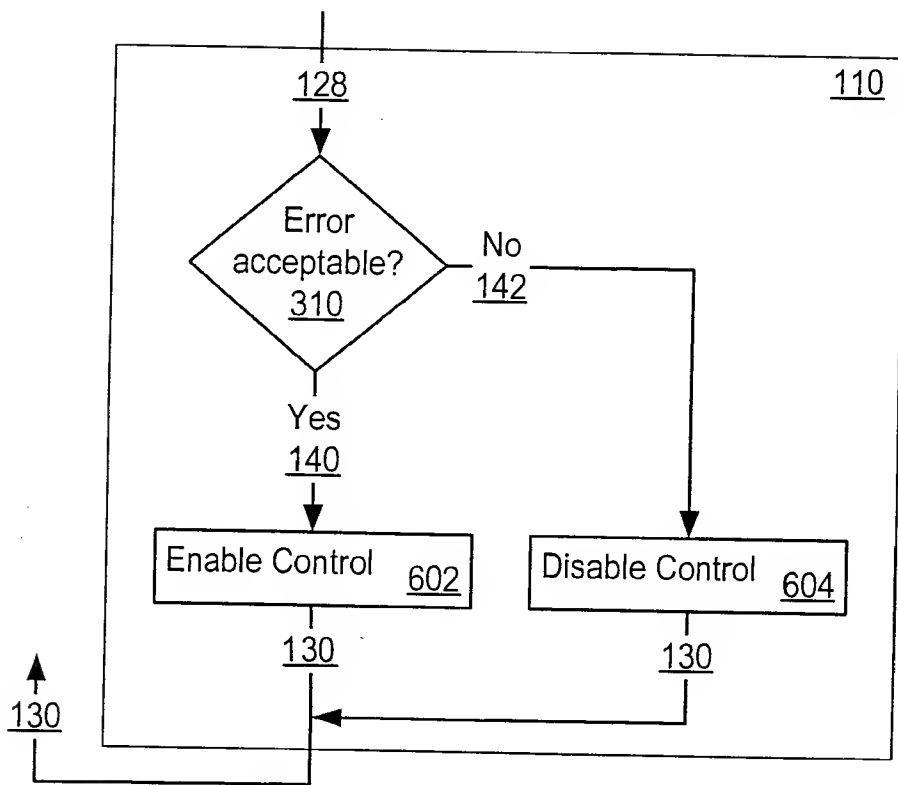


FIG. 10

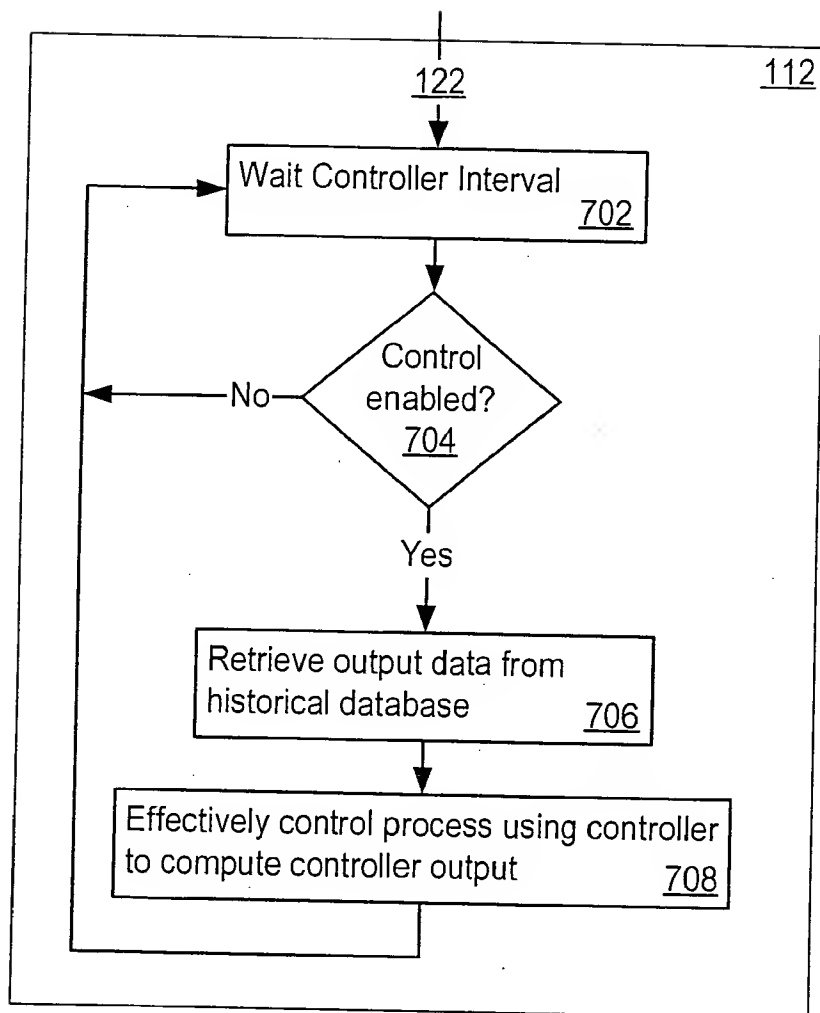


FIG. 11

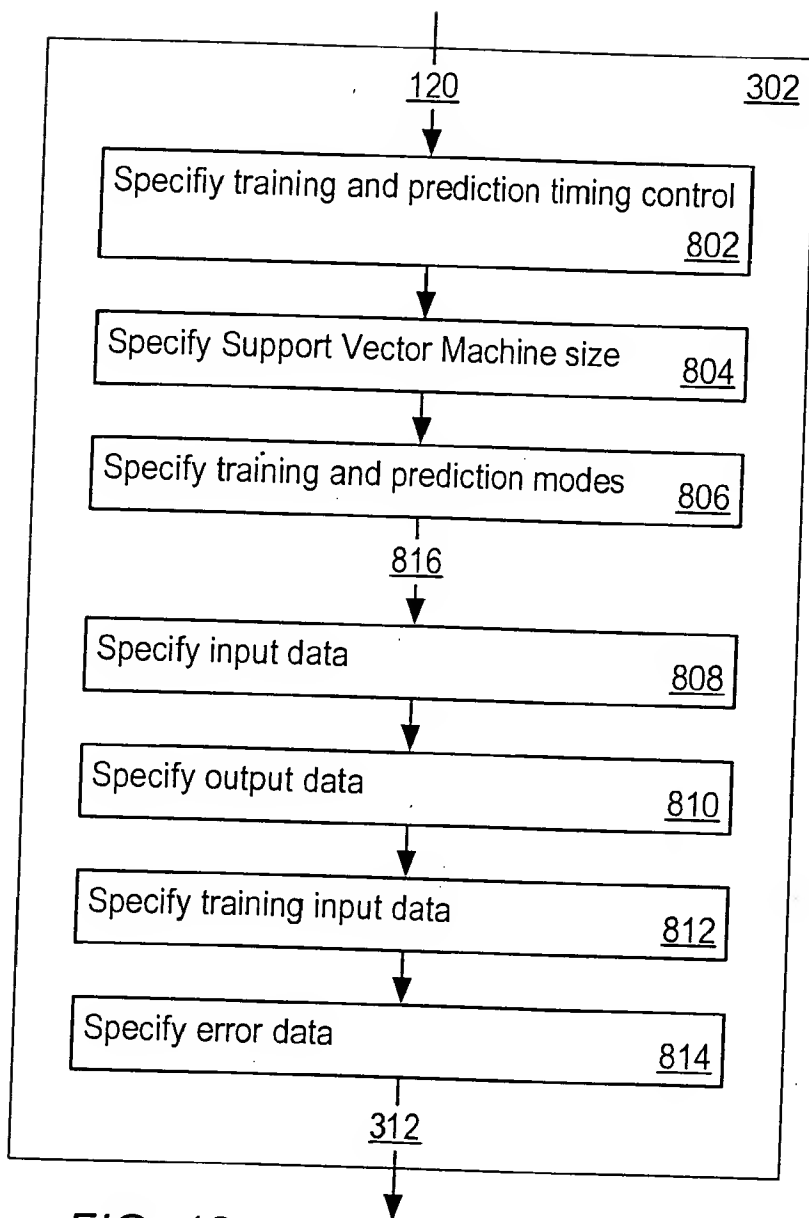


FIG. 12

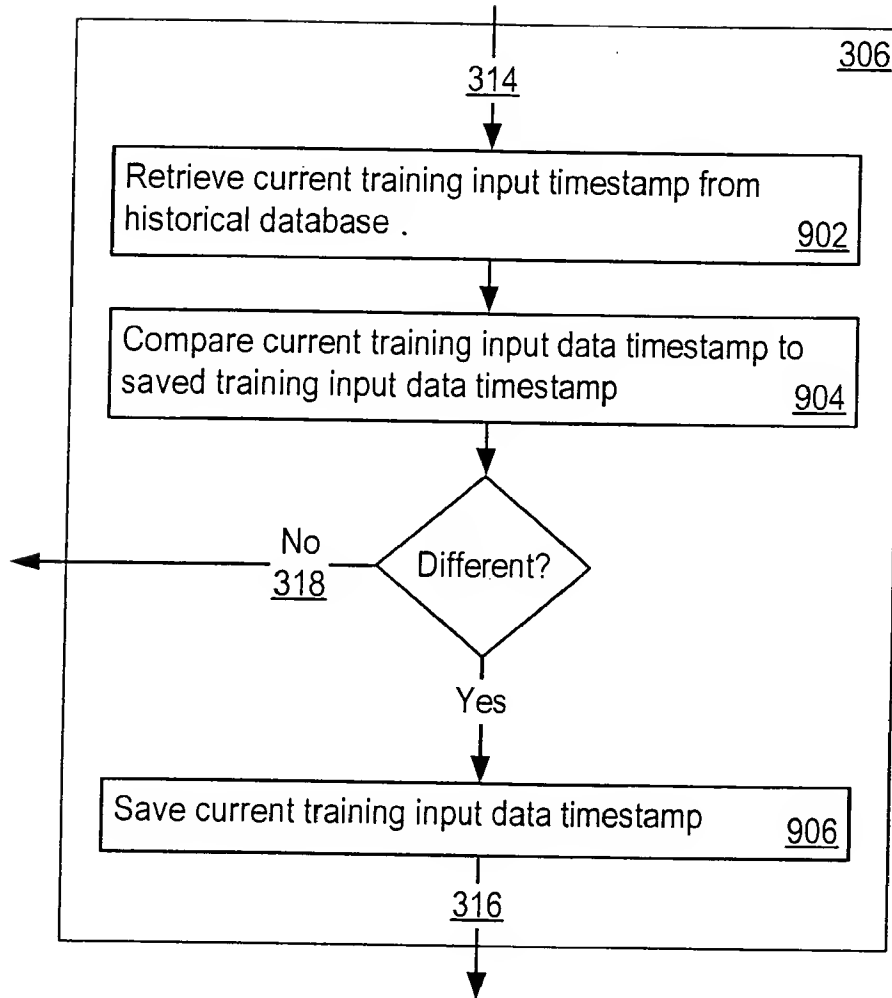


FIG. 13

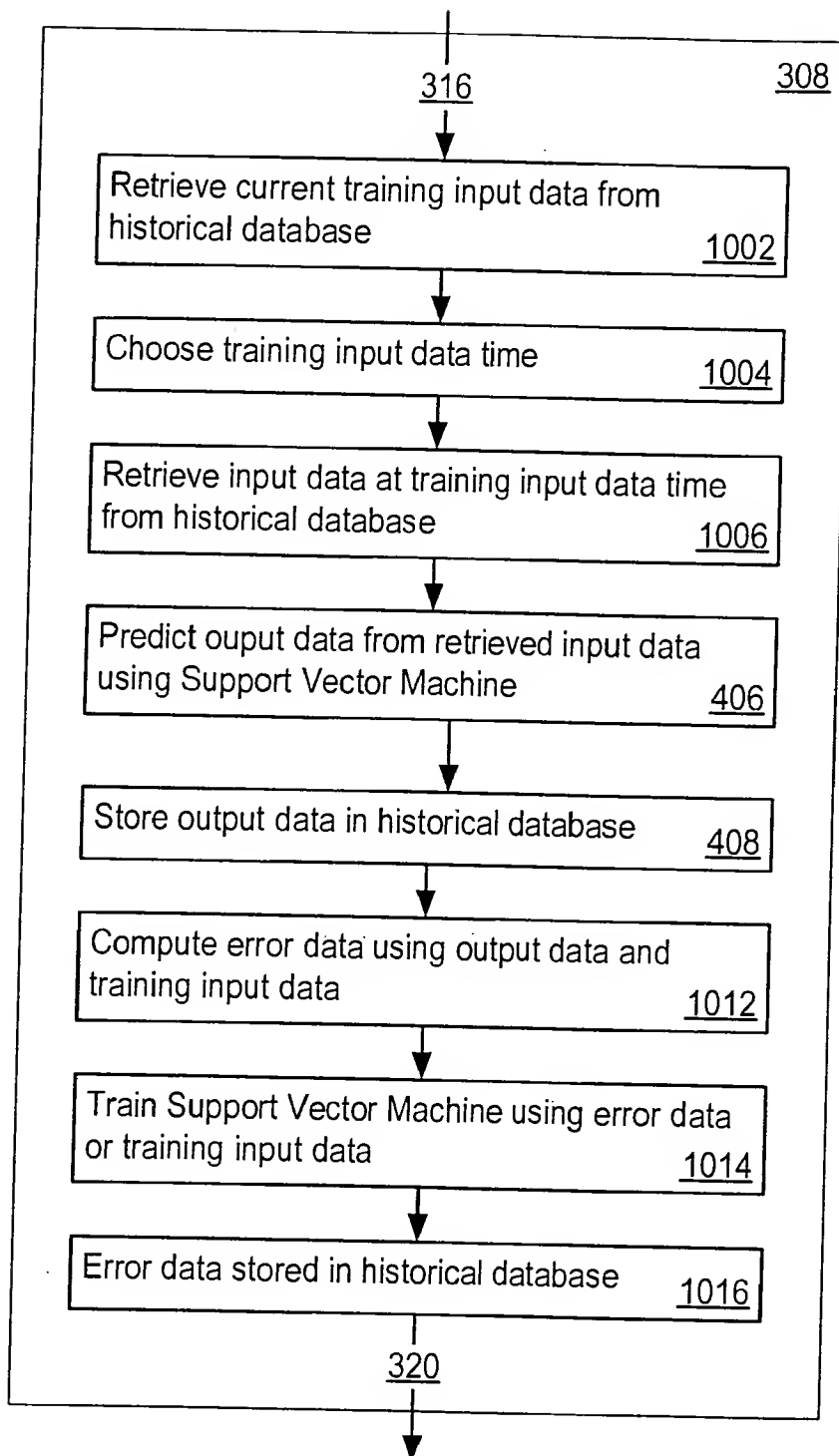


FIG. 14

099767 1284
108211 2926660

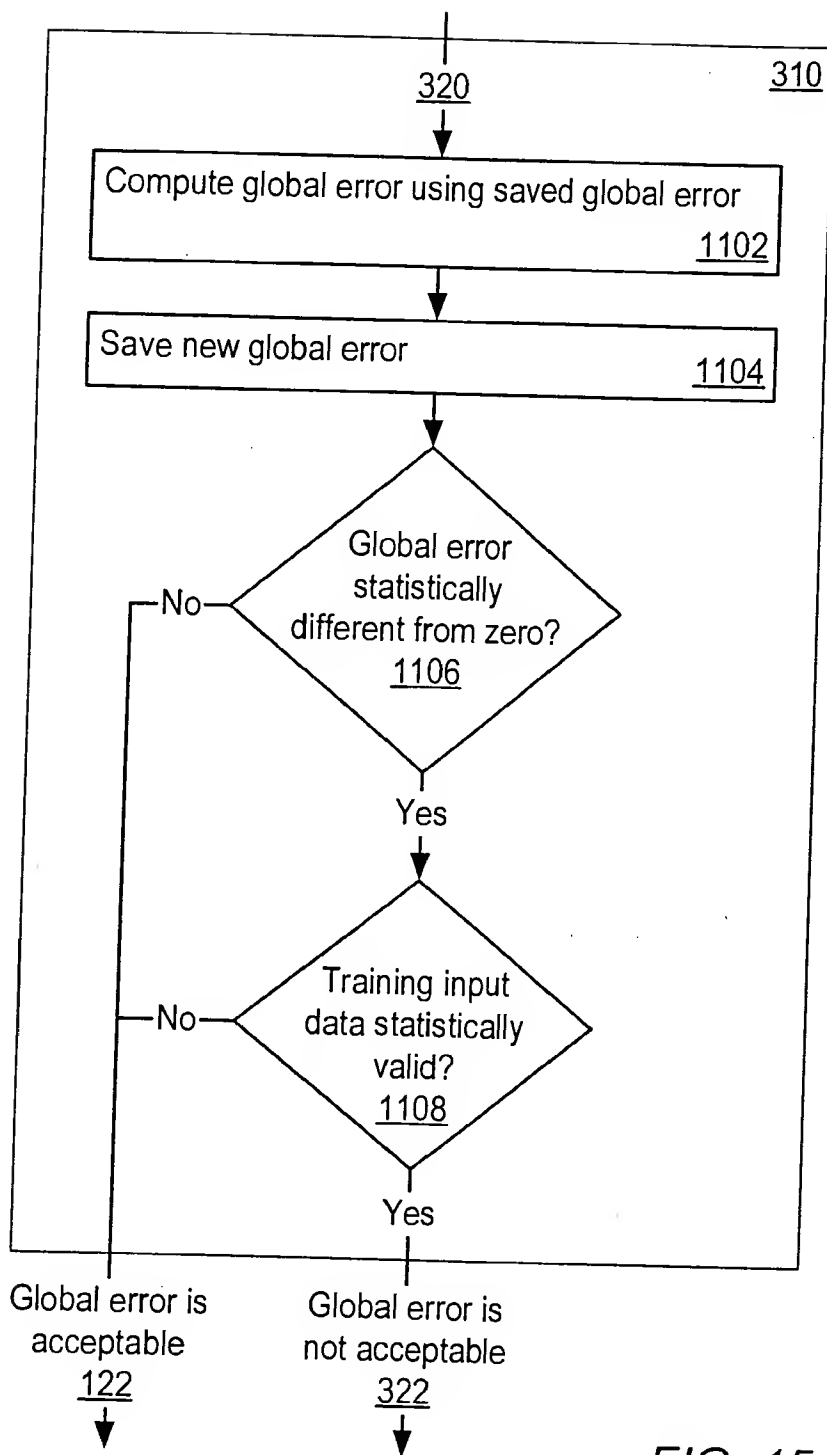
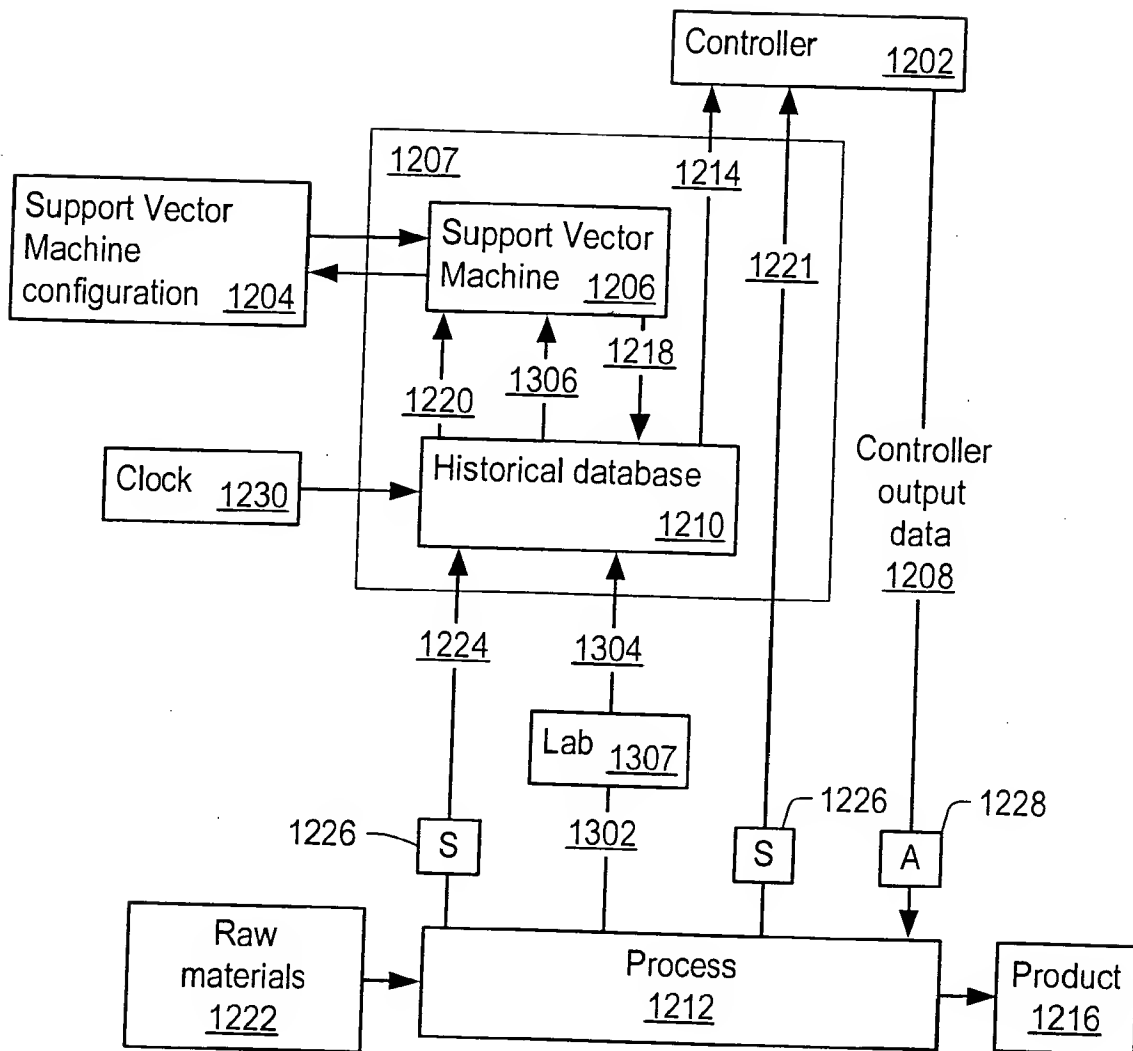


FIG. 15



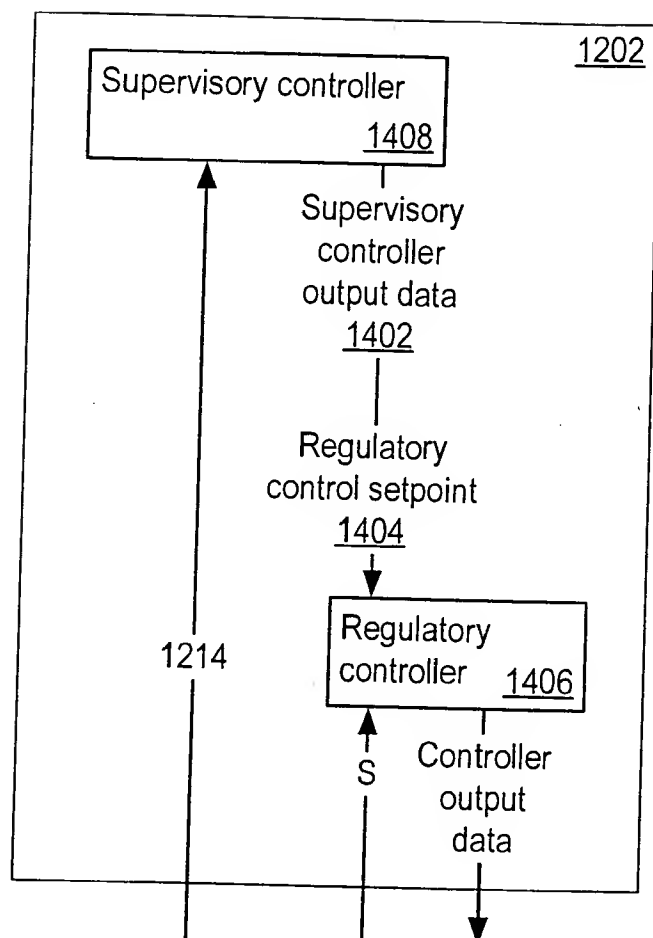


FIG. 17

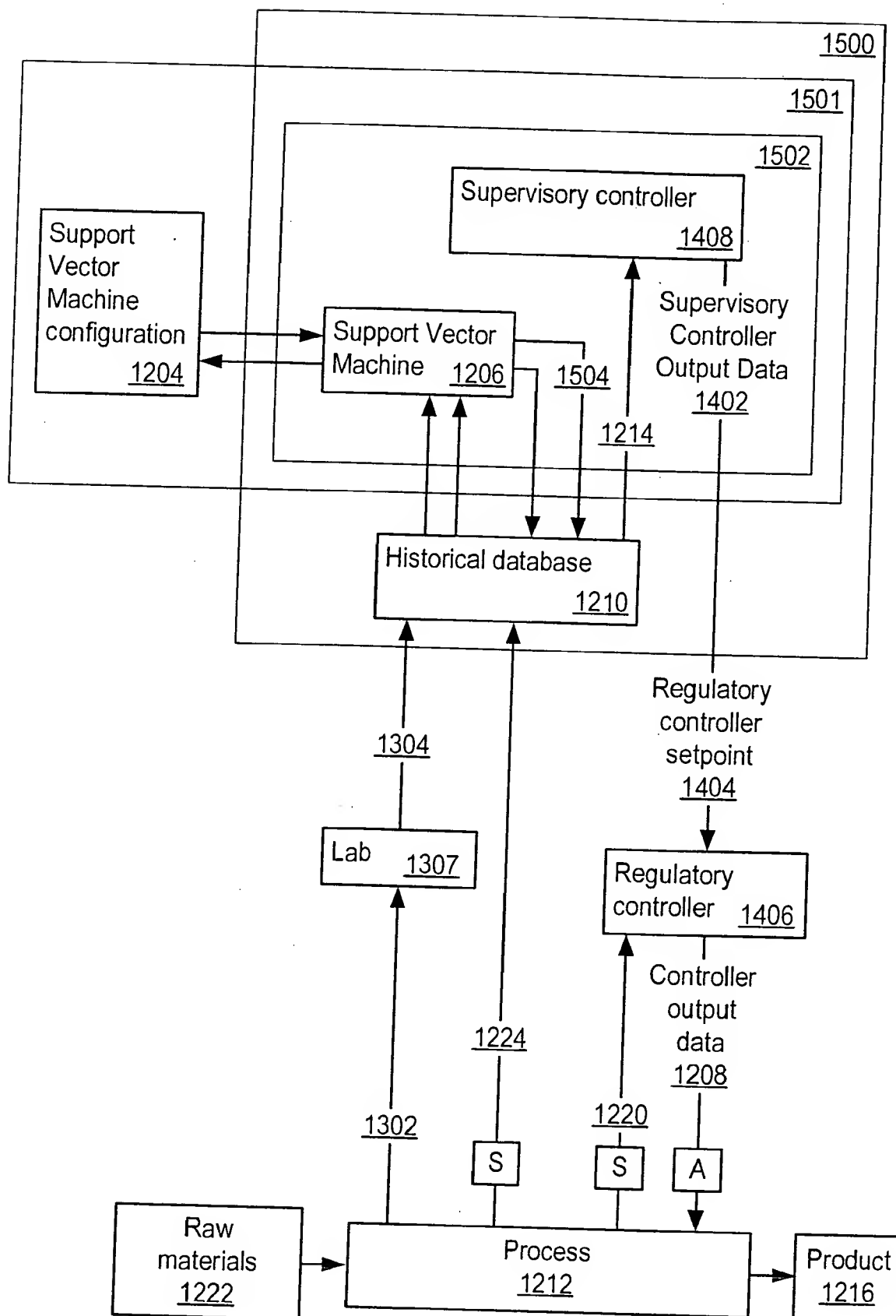


FIG. 18

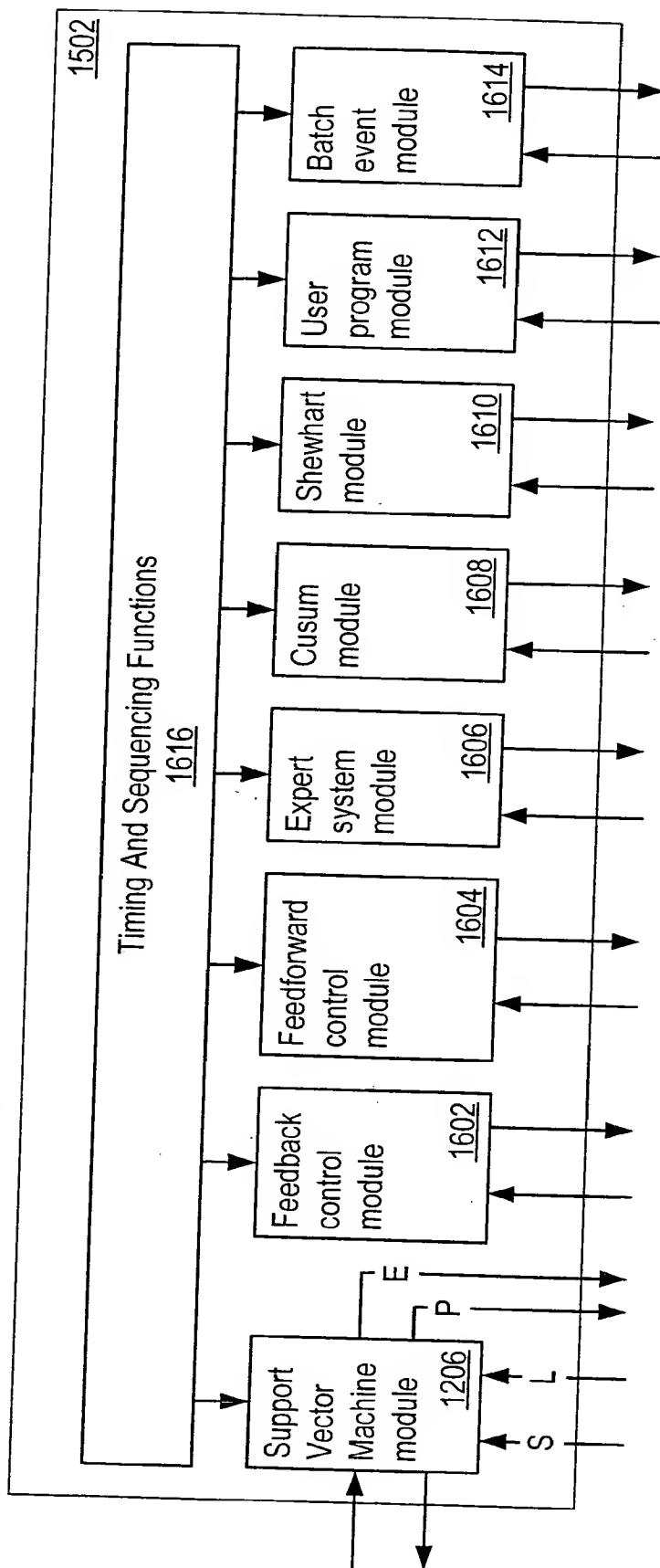


FIG. 19

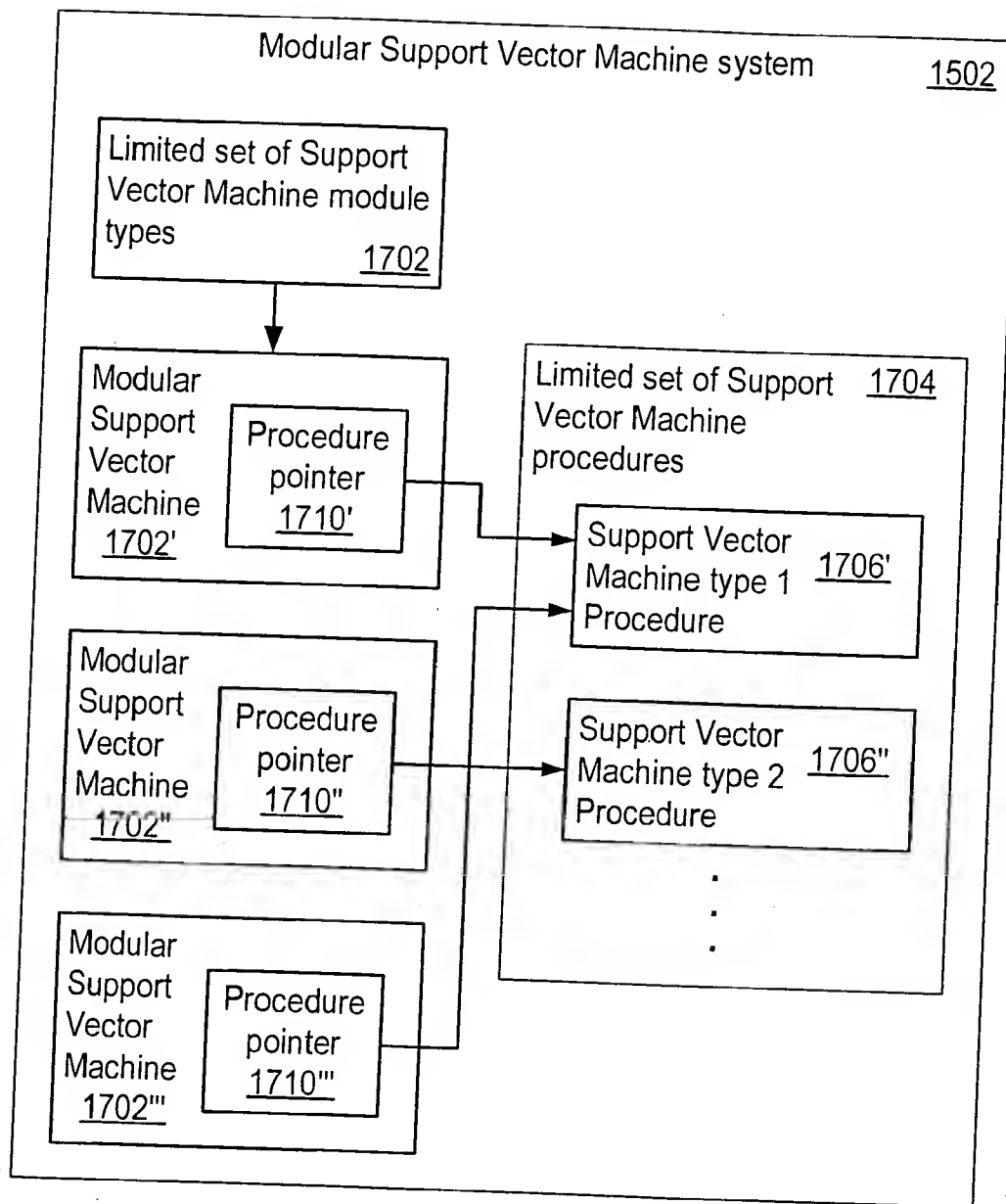


FIG. 20

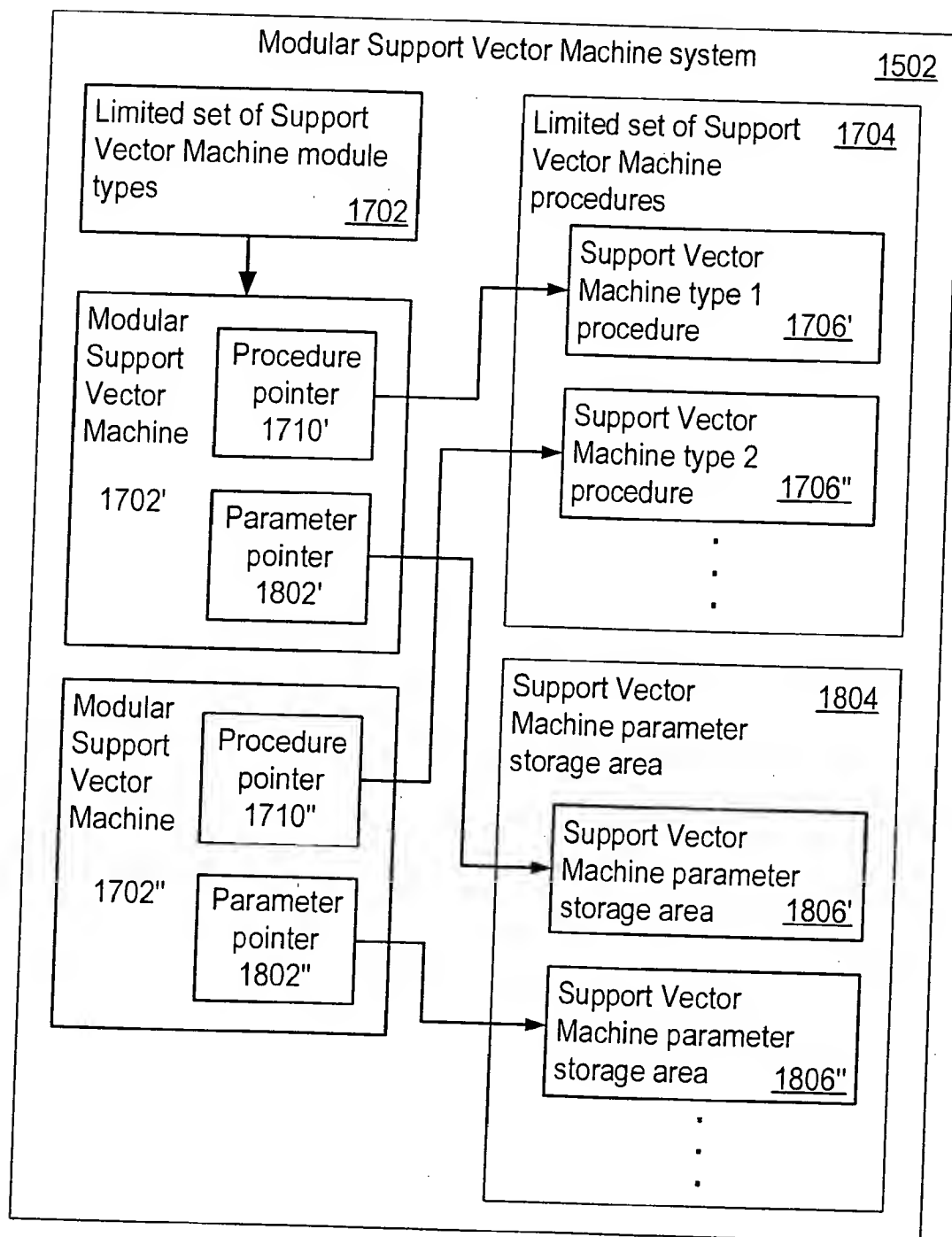


FIG. 21

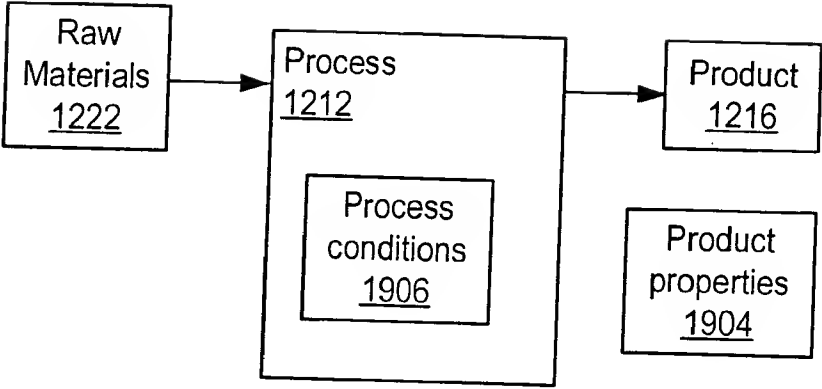


FIG. 22

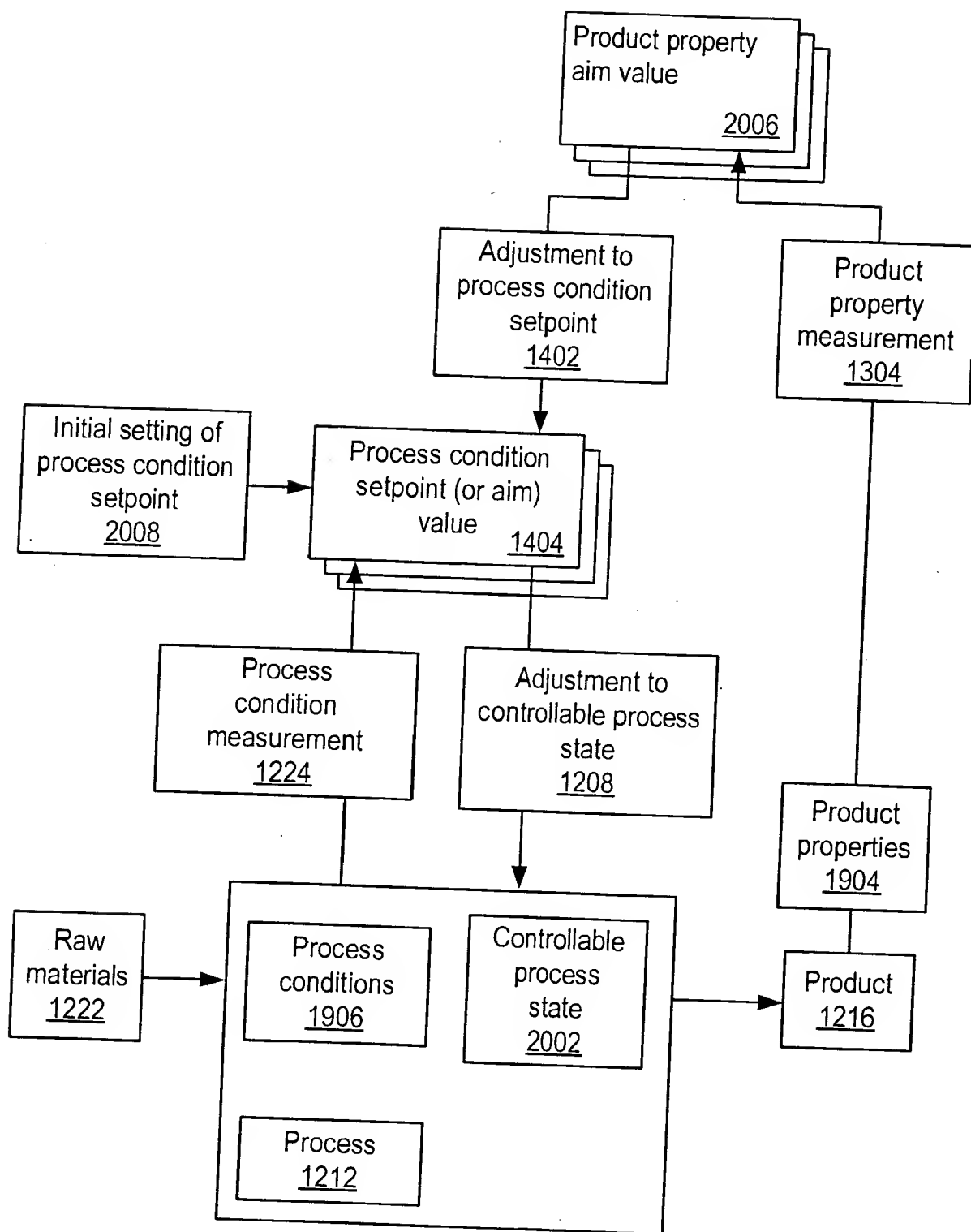


FIG. 23

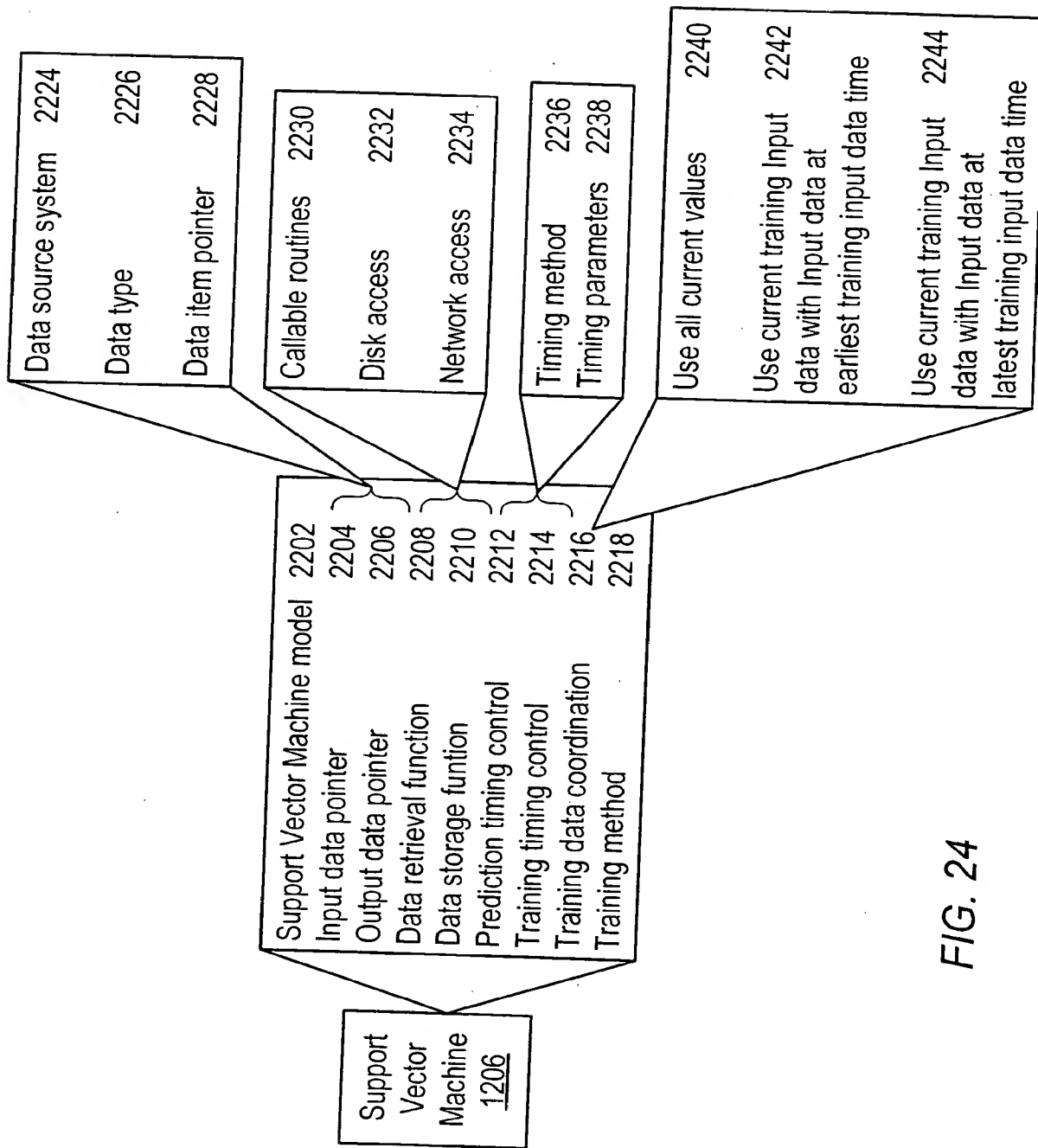


FIG. 24

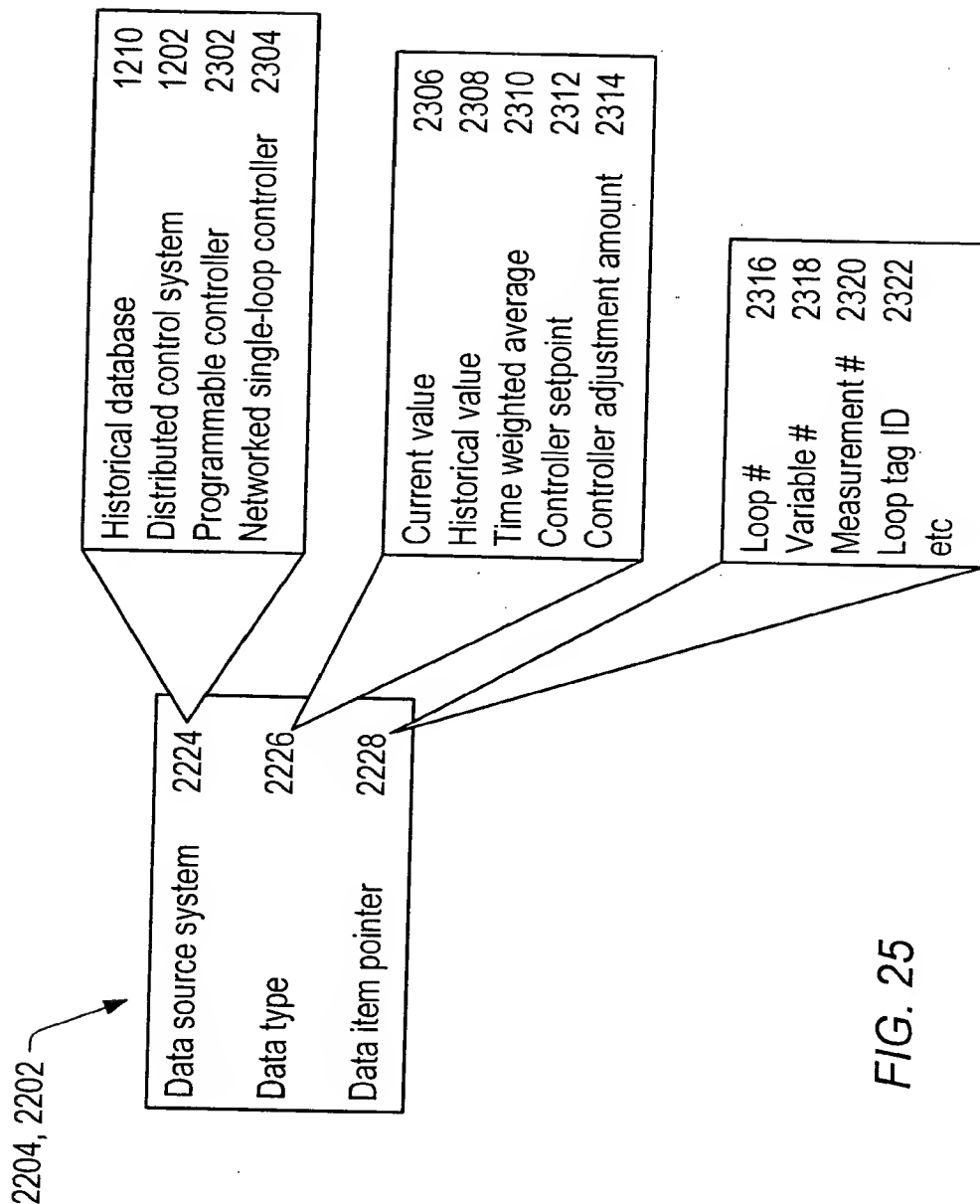


FIG. 25

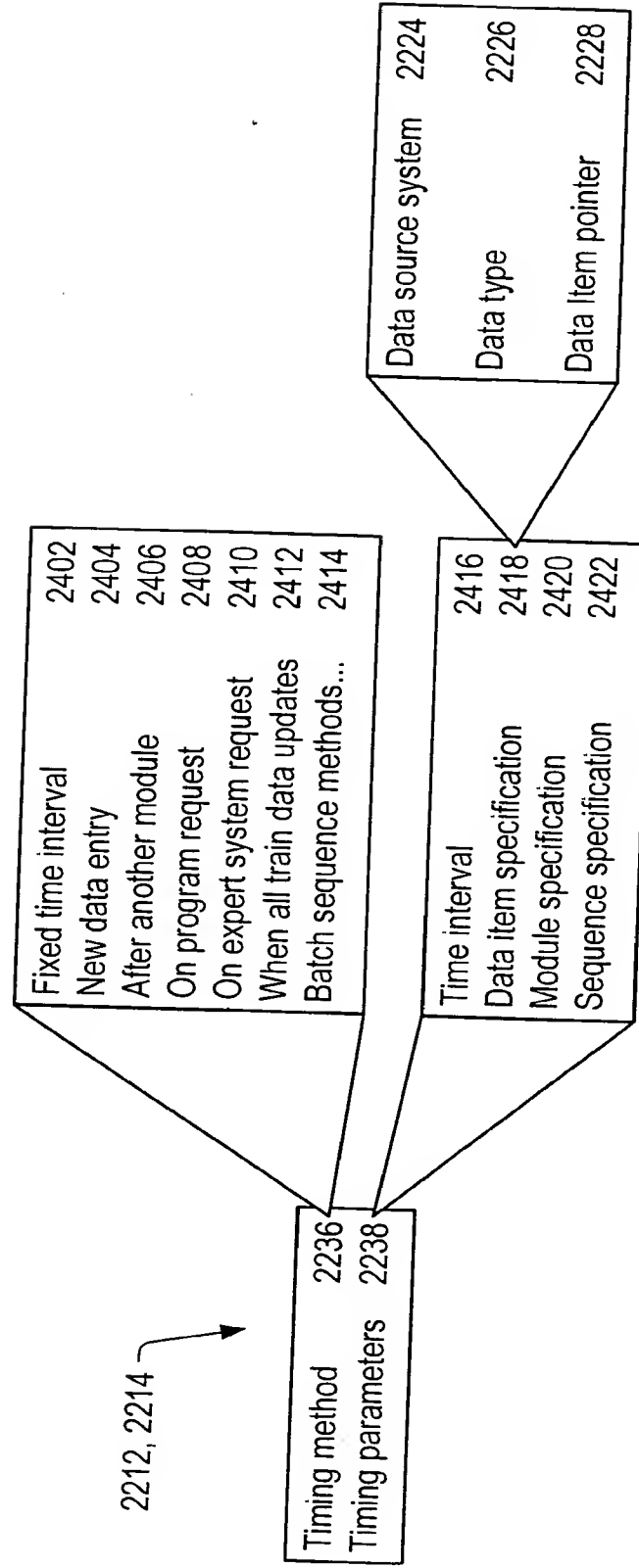


FIG. 26

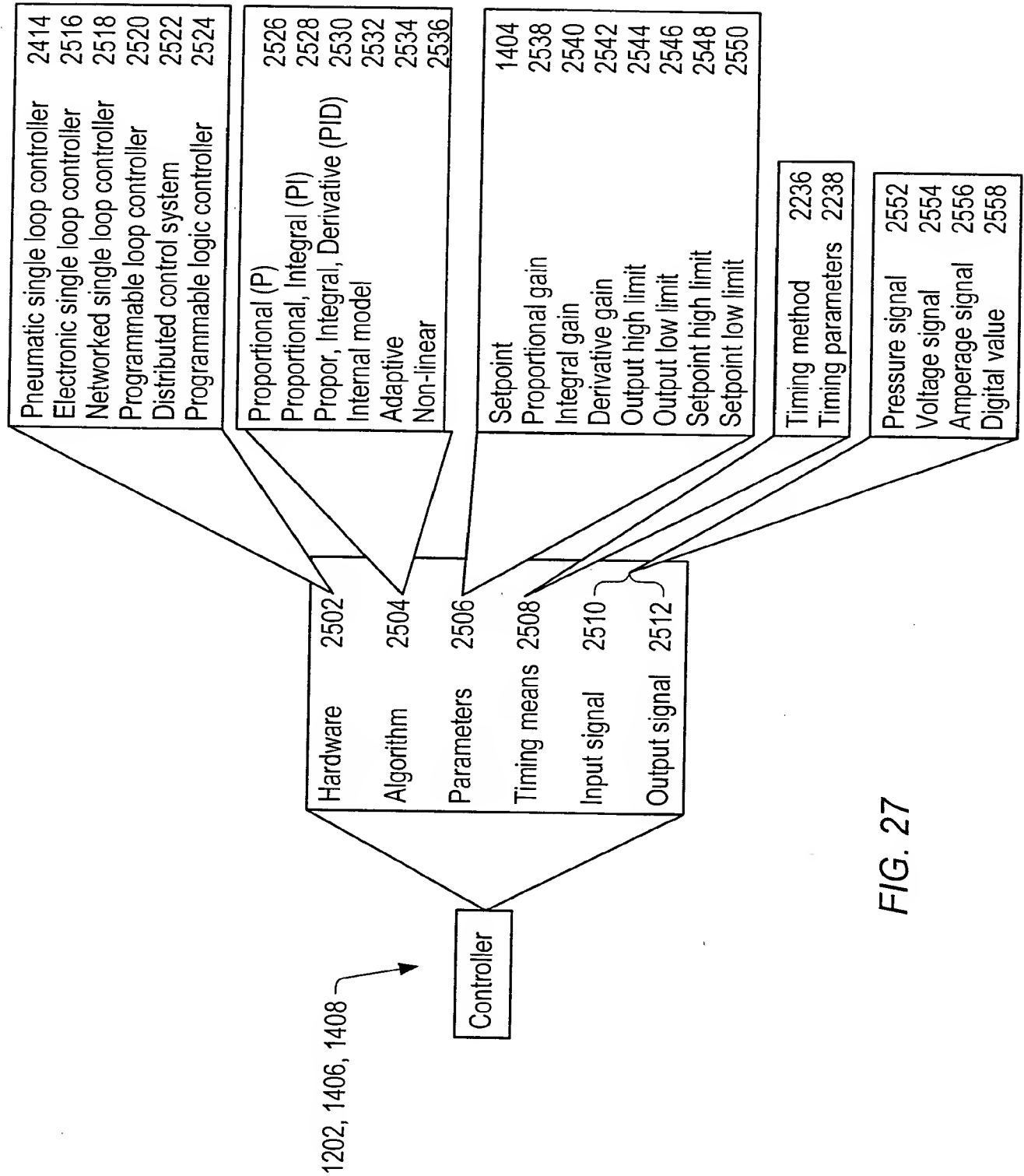


FIG. 27

2602 —BLOCK NUMBER:	179			2600
BLOCK TYPE: SUPPORT VECTOR MACHINE		BLOCK OWNER: USER NAME		
BLOCK DESCRIPTION: CONTROL APPLICATION NAME:		APPLICATION NAME		
2604 —Text				2618
EXTERNAL SWITCH TYPE STATUS PACE BLOCK #		11		DMT CL BTMS ACID
TIMING OPTIONS		TIME INTRVL —KEY BLOCK		
TRAIN: WHEN ALL OUTPUTS UPDATE RUN: RUN AFTER PACE KEY BLOCK		0 01:00:00		
		2		2620
2606 —MODE		STORE PREDICTED OUTPUTS		
<input checked="" type="checkbox"/> TRAIN <input checked="" type="checkbox"/> RUN		<input checked="" type="checkbox"/> WHEN TRAINING <input checked="" type="checkbox"/> WHEN RUNNING		
		SUPPORT VECTOR MACHINE SIZE		
		5 INPUTS 2 OUTPUTS		2622
2608 — <input checked="" type="checkbox"/> COORDINATE INPUT DATA TIMES WITH TRAINING DATA TIMES WHEN TRAINING.				
2610 —TRAINING CONSTANT:		.500000		
2612 —LOG FILE:		LOG FILE NAME		
2614 —BLOCK STATUS:		INACTIVE		
KEYPAD 4 RANDOMIZE COEFFICIENTS 2616		KEYPAD 7 TOGGLE ON/OFF		KEYPAD 8 DATA SPEC PAGE 2624
		KEYPAD 9 TOP OF FORM		KEYPAD -- PREV PAGE

FIG. 28

—SUPPORT VECTOR MACHINE INPUTS (SCROLLABLE)—				2700
# 1 DMT VANTAGE	TIME WT AVERAGE	VAR #	1105 XYLENE COL FEED MPPH	2702
OLDEST TIME	0 01:00:00	NEWEST TIME	0 00:10:00	
HIGH LIMIT	150.0	LOW LIMIT:	50.	
		MAX CHANGE	25.0	
—SUPPORT VECTOR MACHINE TRAINING INPUTS (SCROLLABLE)—				2704
# 1 DMT VANTAGE	CURRENT VALUE	VAR #	2081 XYL COL BTMS MFB PPM	2706
HIGH LIMIT	2500.0	LOW LIMIT:	1500.0	
		MAX CHANGE	250.0	
—SUPPORT VECTOR MACHINE OUTPUTS (SCROLLABLE)—				2708
# 1 DMT VANTAGE	CUR VALUE UNCOMPRSD	VAR #	9055 NN PRED XYL BTM MFB PPM	2708
HIGH LIMIT	2500.0	LOW LIMIT:	1000.0	
		MAX CHANGE	250.0	
—SUMMED ERROR OUTPUT (NOT SCROLLABLE)—				
DMT VANTAGE	CUR VALUE UNCOMPRSD	VAR #	9056 NN XYL COL MODEL ERROR	2708
HIGH LIMIT	1.0	LOW LIMIT:	0.00	
		MAX CHANGE	1.0	

FIG. 29

SUPPORT VECTOR MACHINE INPUTS (SCROLLABLE)

1

DMT PACE

TIME WT AVERAGE

VAR # 1105 XYLENE COL FEED MPPH

OLDEST TIME 0 01:00:00

NEWEST TIME 0 00:10:00

HIGH LIMIT 150.0

LOW LIMIT: 50.

MAX CHANGE 25.0

V

SUPPORT VECTOR MACHINE TRAINING INPUTS (SCROLLABLE)

1

DMT VANTAGE

CURRENT VALUE

VAR # 2081 XYL COL BTMS MFB PPM

DMT PACE

DMT VANTAGE

TPA PLANT PCS

DMT PLANT PCS

CRYSTAR VANTAGE

CRYSTAR TDC

2802

USE KEYPAD 0 TO EXIT

HIGH LIMIT 1.0

LOW LIMIT: 0.0

MAX CHANGE 1.0

USE ARROW KEYS AND RETURN TO SELECT ONE CHOICE

FIG. 30

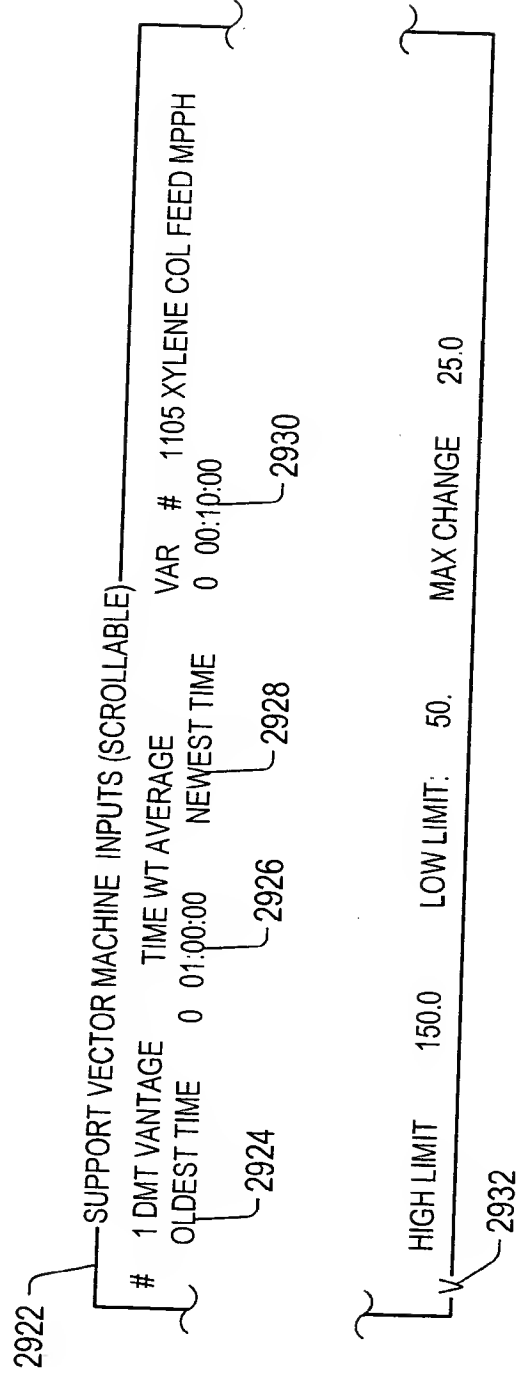
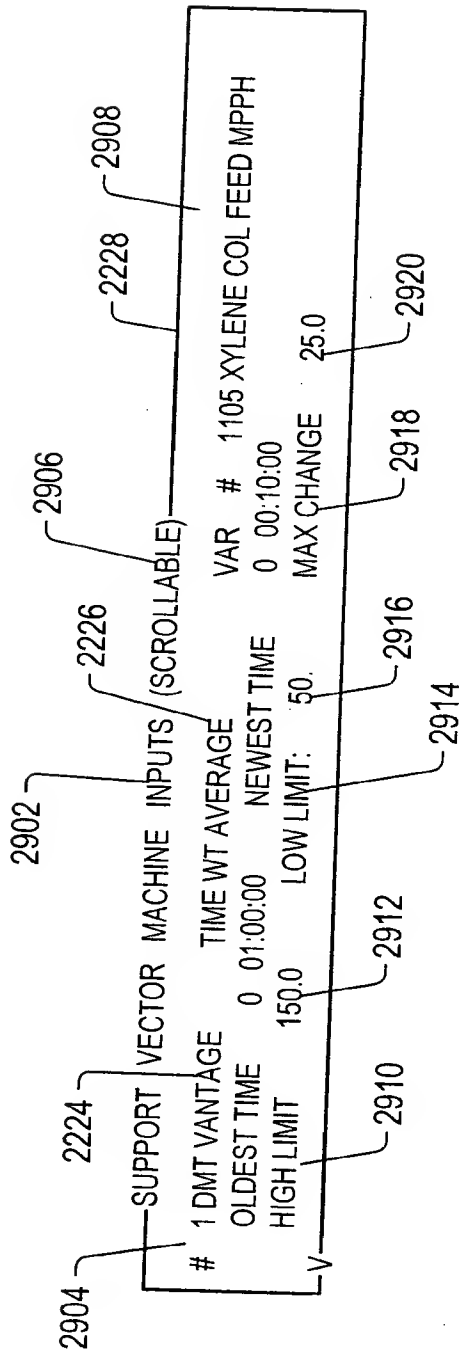


FIG. 31

0997627 11801
"0821" 22926660

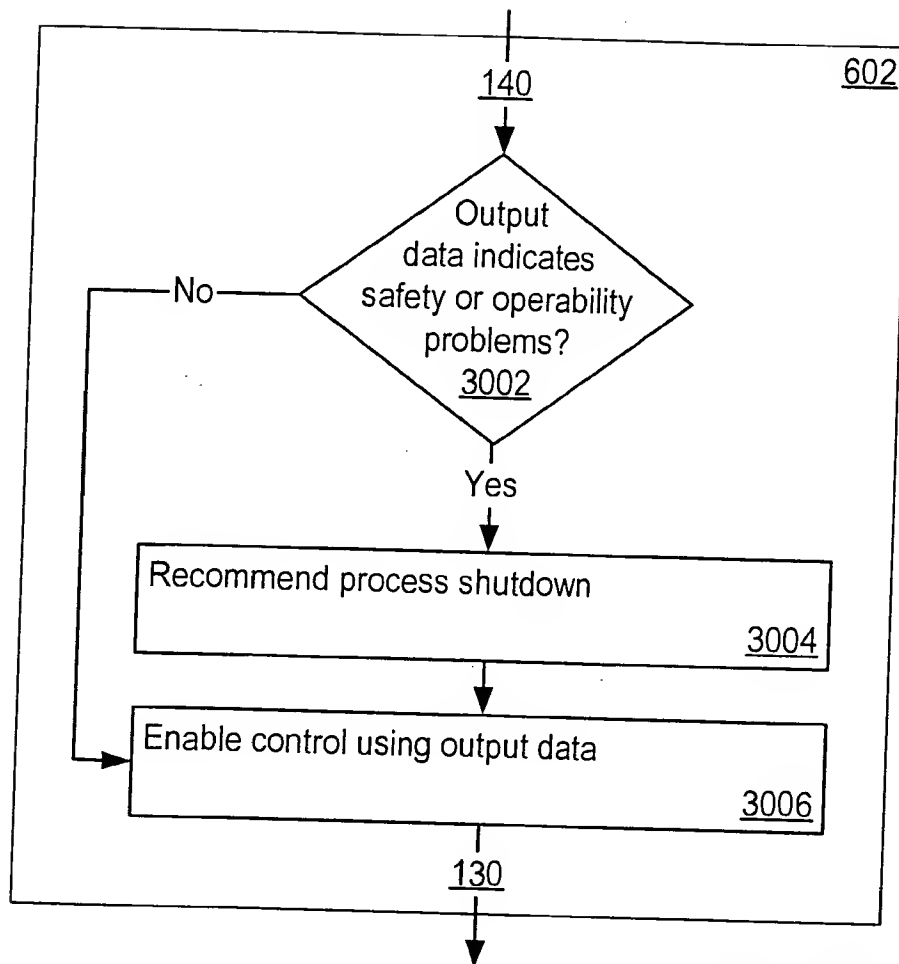


FIG. 32

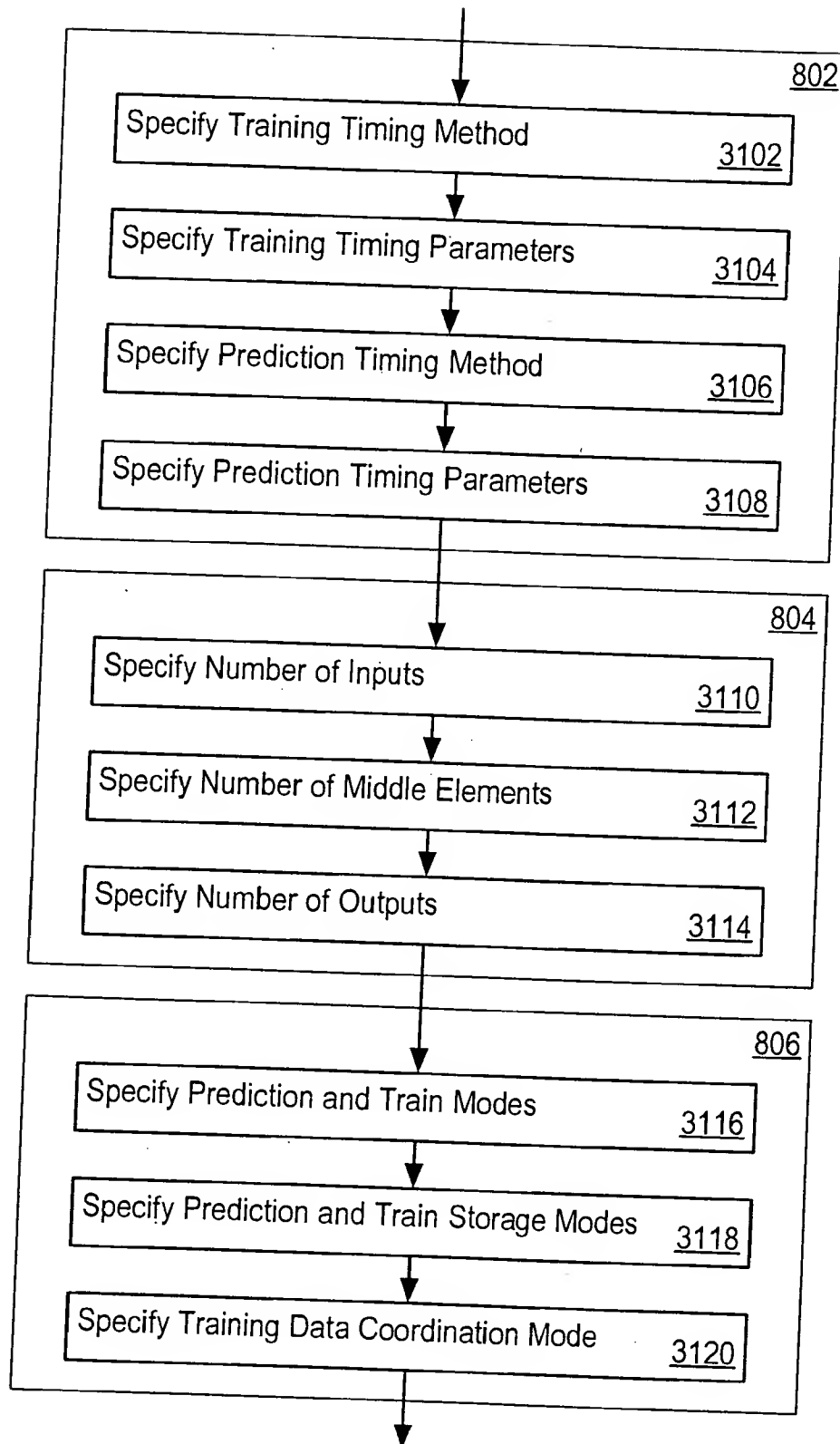


FIG. 33

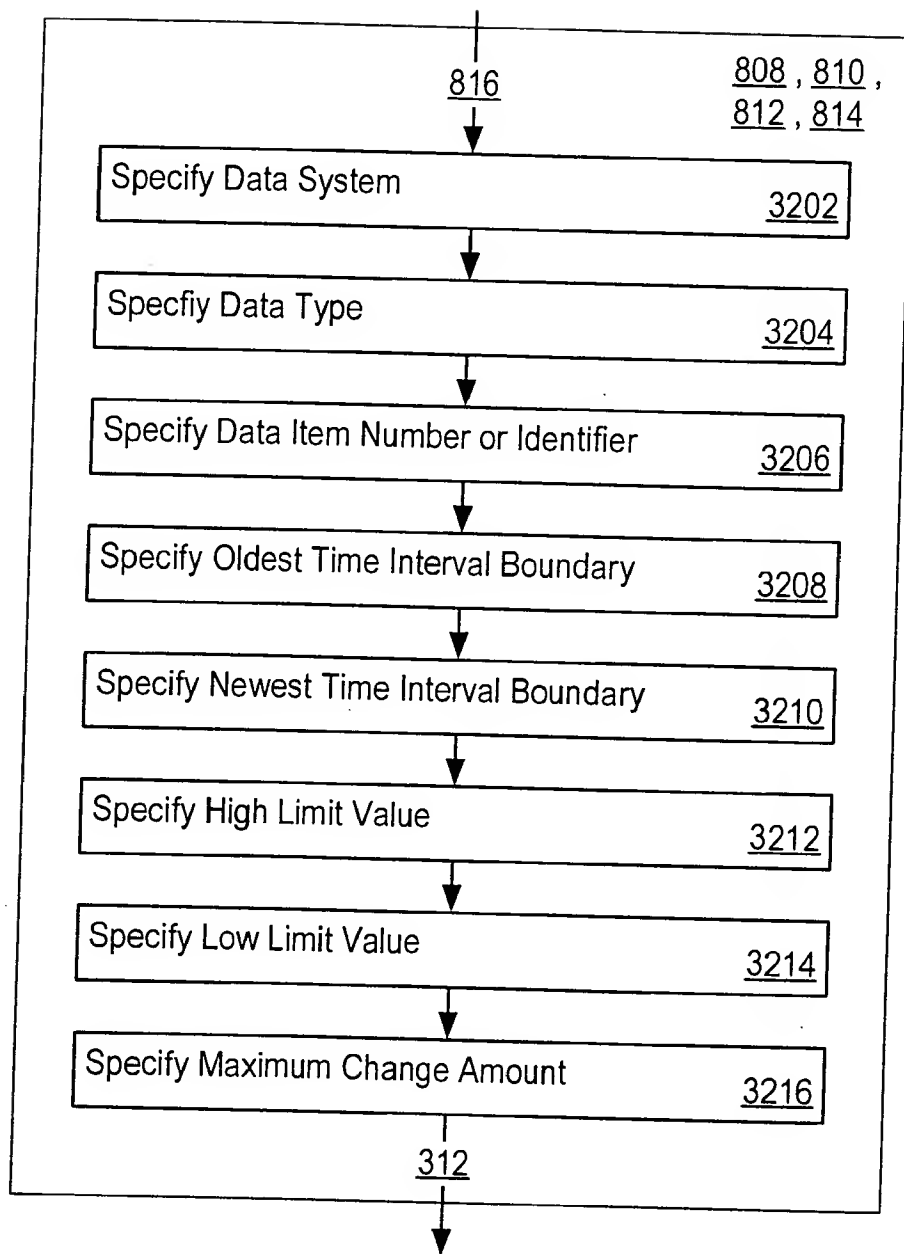


FIG. 34